Title (en)

Method for data transmission system in three phase power line

Title (de)

Verfahren zur Datenübertragung in einer dreiphasigen Starkstromleitung

Title (fr)

Procédé pour la transmission de données dans un réseau d'alimentation triphasée

Publication

EP 1475903 B1 20120808 (EN)

Application

EP 04101907 A 20040504

Priority

US 43078603 A 20030506

Abstract (en)

[origin: EP1475903A1] A method for concurrently communicating over each phase of an electrical power distribution network (N). A first outbound signal (SO1) is transmitted over one phase (AN-A) of a bus (S) by an outbound modulation unit. The unit is released as soon as the first outbound signal (SO1) is transmitted so the unit can transmit a second outbound signal (SO2) over a second phase (BN-B or CN-C) of the bus. The second outbound signal is transmitted concurrently with an inbound signal (IB1) sent in response to the first outbound signal (SO1). The unit is again released, as soon as the second outbound signal (SO2) is transmitted, so the unit can transmit a third outbound signal (SO3) over the third phase (BN-B or CN-C) of the bus. This third outbound signal is transmitted concurrently with a second inbound signal (IB2) sent in response to the second outbound signal (SO2). The method allows concurrent communications over all three phases of the network (N). <IMAGE>

IPC 8 full level

H04B 3/54 (2006.01); **H04L 12/28** (2006.01)

CPC (source: BR EP US)

H04B 3/54 (2013.01 - BR EP US); **H04B 3/542** (2013.01 - EP US); H04B 2203/5416 (2013.01 - EP US); H04B 2203/5433 (2013.01 - EP US); H04B 2203/5466 (2013.01 - EP US)

Cited by

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